



PredPol

Predict Crime in Real Time™

PredPol provides targeted, real-time crime prediction designed for and successfully tested by officers in the field.

PRESENTED BY
MICHAEL PAREDES
EL MONTE POLICE DEPARTMENT

What is PREDPOL and how does it work

- PREDPOL is Predictive Policing which is designed to predict where crime is going to occur
- PREDPOL gathers 10 years of historical data to predict these crimes
- The Uniform Crime Reporting (UCR) is used to create data for these predictions
- PREDPOL only uses dates, times, and locations from the UCR in it's predictions
- Predictions are made every 12 hours to coincide with our shifts and change each day
- It takes 3 months of using PREDPOL to show its effectiveness
- PREDPOL prevents crime not criminality

The science behind PREDPOL

- PREDPOL uses a complicated algorithm along with three key factors to make it's predictions
- These factors are
 - Environmental
 - Repeat Victimization
 - Near Repeat Victimization

Environmental

- Locations such as shopping centers attract criminal behavior because it is a fixed location with a consistent presence for crimes of opportunity
 - Valley Mall
 - Five Points
 - Gas stations and convenience stores (7-11)

Repeat Victimization

- Criminal behavior suggests a victim has a higher probability of being victimized twice within a short time period. Criminals will respond to a previous location if they were not caught, if it was easy, and if they missed property the first time

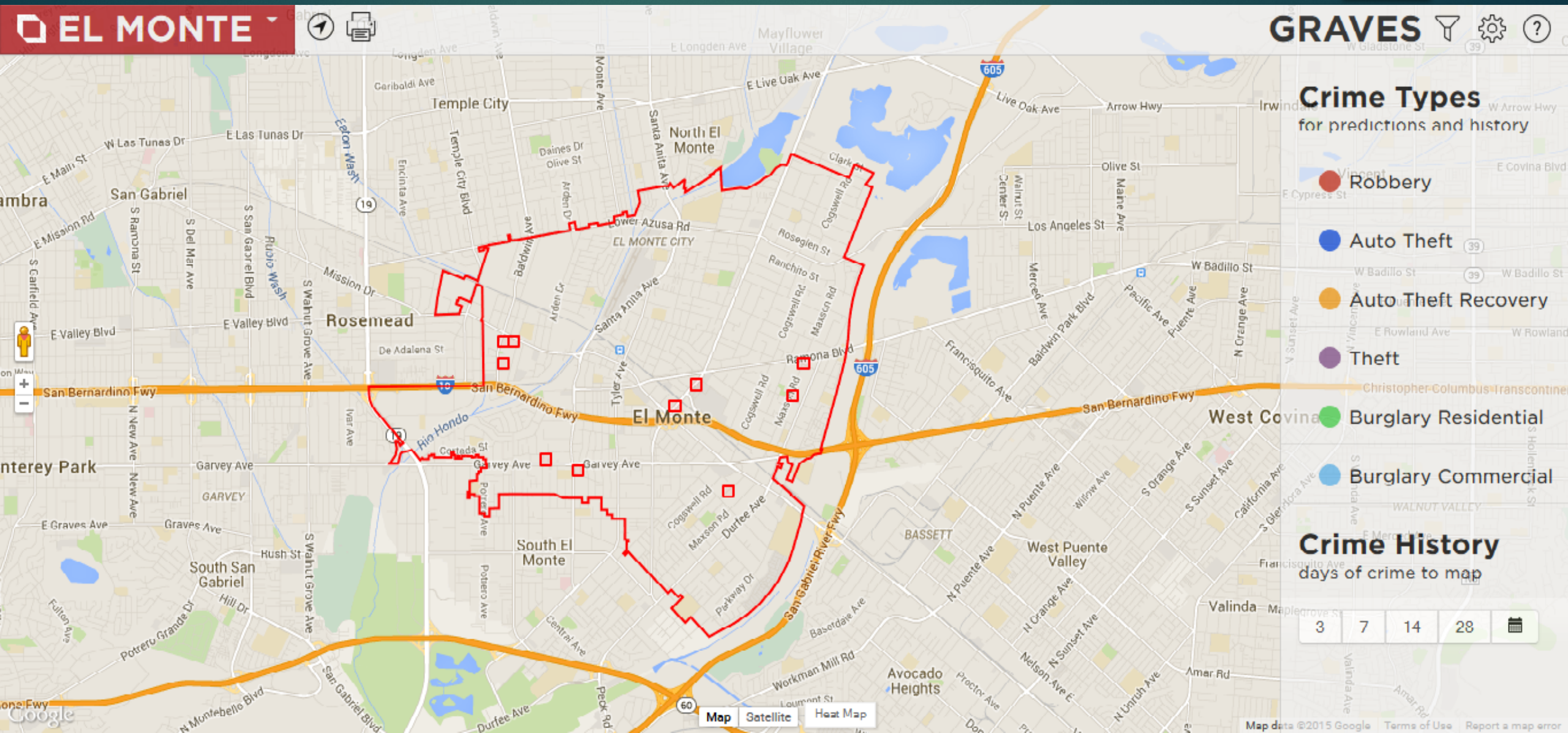
Studies conducted by Professor Ken Pease
University of Huddersfield

Near Repeat Victimization

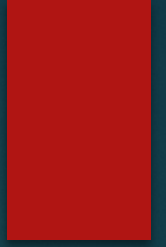
- Neighbors of victims are more likely to be victimized as a result of their geographical location, similar behavior patterns and house characteristics being similar to the original victim

Studies conducted by Professor Ken Pease
University of Huddersfield

PREDPOL example



How do I use PREDPOL



- Officers will be assigned a *MAXIMUM* of two red boxes each shift
- Officers will be in each red box for a *MAXIMUM* of 15 minutes based off the Koper Curve
- Radio calls and crimes observed take precedence
- Officers goal is to respond to each red box twice a day ideally at the beginning of the shift and towards the end of the shift
- Officers can log on to ELMONTE.PREDPOL.COM to see the days predictions

What do I do while in the red box

- Look for the crimes predicted for that red box
- Meet a resident or business owner
- Catch up on reports
- Return phone calls

BE VISIBLE